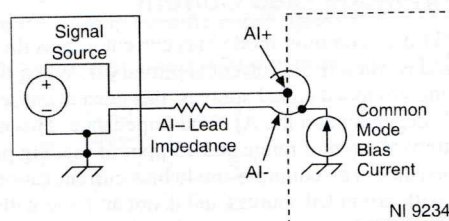


Figure 4. Measurement Error Introduced by Common-Mode Bias Current



IEPE Excitation Current

The NI 9234 can also provide an IEPE excitation current for each channel to measure ground-referenced or floating IEPE sensors. Typical IEPE sensors have a case that is electrically isolated from the IEPE electronics, so connecting the sensor to the NI 9234 results in a floating connection even though the case of the sensor is grounded.

You can enable excitation current on a per-channel basis. Refer to your software help for more information about excitation current.